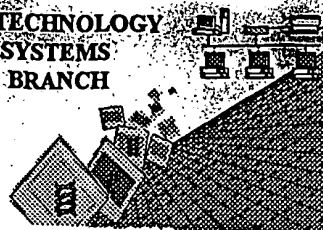




BIOTECHNOLOGY  
SYSTEMS  
BRANCH



0590  
1004

## **RAW SEQUENCE LISTING ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/040,281  
Source: OIPÉ  
Date Processed by STIC: 10/7/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER  
VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,  
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,  
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



OIPE

## RAW SEQUENCE LISTING

DATE: 10/07/2002

PATENT APPLICATION: US/10/040,281

TIME: 14:21:42

Input Set : A:\Biogen1.app

Output Set: N:\CRF4\10072002\J040281.raw

3 <110> APPLICANT: Browning, Jeffrey L  
 4 Ware, Carl  
 6 <120> TITLE OF INVENTION: LYMPHOTOXIN BETA, LYMPHOTOXIN BETA COMPLEXES,  
 7 PHARMACEUTICAL PREPARATIONS AND THERAPEUTIC USES  
 8 THEREOF  
 10 <130> FILE REFERENCE: B129 CIP2 DIV2  
 12 <140> CURRENT APPLICATION NUMBER: US/10/040,281  
 13 <141> CURRENT FILING DATE: 2001-11-07  
 15 <160> NUMBER OF SEQ ID NOS: 23  
 17 <170> SOFTWARE: PatentIn Ver. 2.1

Does Not Comply  
 Corrected Diskette Needed  
 pp 1-2-3

## ERRORED SEQUENCES

243 <210> SEQ ID NO: 9  
 244 <211> LENGTH: 17  
 245 <212> TYPE: DNA  
 246 <213> ORGANISM: Homo sapiens  
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 253 <211> LENGTH: 17  
 254 <212> TYPE: DNA  
 255 <213> ORGANISM: Homo sapiens  
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 289 <211> LENGTH: 34  
 290 <212> TYPE: PRT  
 291 <213> ORGANISM: Homo sapiens  
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 298 20 25 30 15  
 300 Pro Ile  
 317 <210> SEQ ID NO: 16  
 318 <211> LENGTH: 25  
 319 <212> TYPE: PRT  
 320 <213> ORGANISM: Homo sapiens  
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## RAW SEQUENCE LISTING

DATE: 10/07/2002

PATENT APPLICATION: US/10/040,281

TIME: 14:21:42

Input Set : A:\Biogen1.app

Output Set: N:\CRF4\10072002\J040281.raw

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331 <211> LENGTH: 8  
332 <212> TYPE: PRT  
333 <213> ORGANISM: Homo sapiens  
335 <400> SEQUENCE: 17  
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P. 3

## VARIABLE LOCATION SUMMARY

DATE: 10/07/2002

PATENT APPLICATION: US/10/040,281

TIME: 14:21:43

Input Set : A:\Biogen1.app

Output Set: N:\CRF4\10072002\J040281.raw

Use of n's or Xaa's(NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of &lt;220&gt; to &lt;223&gt; is MANDATORY if n's or Xaa's are present.

in &lt;220&gt; to &lt;223&gt; section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:9; N Pos. 6

Seq#:10; N Pos. 6

Seq#:14; Xaa Pos. 7,30,31

Seq#:16; Xaa Pos. 1

Seq#:17; Xaa Pos. 1,5,6

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/040,281

DATE: 10/07/2002

TIME: 14:21:43

Input Set : A:\Biogen1.app

Output Set: N:\CRF4\10072002\J040281.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:249 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:9  
L:258 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:10  
L:294 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:14  
M:340 Repeated in SeqNo=14  
L:323 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:16  
L:336 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:17



#14

B129SEQLIST.TXT

SEQUENCE LISTING

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Ware, Carl

<120> Lymphotoxin- Beta, Lymphotoxin- Beta  
Complexes, Pharmaceutical Preparations and Therapeutic Uses  
Thereof

<130> B129USCP2DV2CN

<140> 10/040,281  
<141> 2001-11-07

<150> 08/466,254  
<151> 1995-06-06

<150> 08/222,614  
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<150> 07/990,304  
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ctggccttag tgccccagga tcagggagga ctggtaacgg agacggccga ccccggggca 180  
caggcccgagc aaggactggg gtttcagaag ctgccagagg aggagccaga aacagatctc 240  
agccccgggc tcccagctgc ccacctcata ggcgctccgc tgaaggggca ggggctaggc 300  
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cgggcgcccc ctggcgggcg ggacccccag ggccgctcgg tcacgctgcg cagctctctg 480  
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agcgtggggg tcggcggcct ggtgcagctc cggagggggc agaggggtga cgtcaacatc 660  
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<211> 241  
<212> PRT  
<213> Homo Sapien

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Leu Leu Ala Val Ala Gly Ala Thr Ser Leu Val Thr Leu Leu Leu Ala  
Page 1

# B129SEQLIST.TXT

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      35      40      45
Gly Gly Leu Val Thr Glu Thr Ala Asp Pro Gly Ala Gln Ala Gln Gln
      50      55      60
Gly Leu Gly Phe Gln Lys Leu Pro Glu Glu Glu Pro Glu Thr Asp Leu
      65      70      75      80
Ser Pro Gly Leu Pro Ala Ala His Leu Ile Gly Ala Pro Leu Lys Gly
      85      90      95
Gln Gly Leu Gly Trp Glu Thr Thr Lys Glu Gln Ala Phe Leu Thr Ser
      100      105      110
Gly Thr Gln Phe Ser Asp Ala Glu Gly Leu Ala Leu Pro Gln Asp Gly
      115      120      125
Leu Tyr Tyr Leu Tyr Cys Leu Val Gly Tyr Arg Gly Arg Ala Pro Pro
      130      135      140
Gly Gly Gly Asp Pro Gln Gly Arg Ser Val Thr Leu Arg Ser Ser Leu
      145      150      155      160
Tyr Arg Ala Gly Gly Ala Tyr Gly Pro Gly Thr Pro Glu Leu Leu Leu
      165      170      175
Glu Gly Ala Glu Thr Val Thr Pro Val Leu Asp Pro Ala Arg Arg Gln
      180      185      190
Gly Tyr Gly Pro Leu Trp Tyr Thr Ser Val Gly Phe Gly Gly Leu Val
      195      200      205
Gln Leu Arg Arg Gly Glu Arg Val Tyr Val Asn Ile Ser His Pro Asp
      210      215      220
Met Val Asp Phe Ala Arg Gly Lys Thr Phe Phe Gly Ala Val Met Val
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Gly

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agccccgggc tcccagctgc ccacctcata ggcgctccgc tgaaggggca ggggctaggc 180
tgggagacga cgaaggaaca ggcgtttctg acgagcggga cgcagttctc ggacgccgag 240
gggctggcgc tcccgagga cggcctctat tacctctact gtctcgtcgg ctaccggggc 300
cgggcgcccc ctggcggcgg ggacccccag ggccgctcgg tcacgctgcg cagctctctg 360
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acggtgactc cagtgcagg cccggccagg agacaagggg acgggcctct ctggtacacg 480
agcgtggggt tcggcggcct ggtgcagctc cggaggggga agaggggtga cgtcaacatc 540
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 <213> Homo Sapien

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Glu Glu Glu Pro Glu Thr Asp Leu Ser Pro Gly Leu Pro Ala Ala His
      35      40      45
Leu Ile Gly Ala Pro Leu Lys Gly Gln Gly Leu Gly Trp Glu Thr Thr
      50      55      60

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# B129SEQLIST.TXT

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Gly Tyr Arg Gly Arg Ala Pro Pro Gly Gly Asp Pro Gln Gly Arg  
100 105 110  
Ser Val Thr Leu Arg Ser Ser Leu Tyr Arg Ala Gly Gly Ala Tyr Gly  
115 120 125  
Pro Gly Thr Pro Glu Leu Leu Leu Glu Gly Ala Glu Thr Val Thr Pro  
130 135 140  
Val Leu Asp Pro Ala Arg Arg Gln Gly Tyr Gly Pro Leu Trp Tyr Thr  
145 150 155 160  
Ser Val Gly Phe Gly Gly Leu Val Gln Leu Arg Arg Gly Glu Arg Val  
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tactgtctcg tcggctaccg gggccgggag cccctggcg gcggggaccc ccagggccgc 180  
tcggctcacgc tgcgcagctc tctgtaccgg gcggggggcg cctacgggccc gggcactccc 240  
gagctgctgc tcgaggggag cgagacgggt actccagtgc tggacccggc caggagacaa 300  
gggtacgggc ctctctggt cagagcgtg gggttcggcg gcctggtgca gctccggagg 360  
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accttctttg gggccgtgat ggtggggtga 450

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Pro Gln Asp Gly Leu Tyr Tyr Leu Tyr Cys Leu Val Gly Tyr Arg Gly  
35 40 45  
Arg Ala Pro Pro Gly Gly Gly Asp Pro Gln Gly Arg Ser Val Thr Leu  
50 55 60  
Arg Ser Ser Leu Tyr Arg Ala Gly Gly Ala Tyr Gly Pro Gly Thr Pro  
65 70 75 80  
Glu Leu Leu Leu Glu Gly Ala Glu Thr Val Thr Pro Val Leu Asp Pro  
85 90 95  
Ala Arg Arg Gln Gly Tyr Gly Pro Leu Trp Tyr Thr Ser Val Gly Phe  
100 105 110  
Gly Gly Leu Val Gln Leu Arg Arg Gly Glu Arg Val Tyr Val Asn Ile  
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Ala Val Met Val Gly  
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B129SEQLIST.TXT

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 <212> DNA  
 <213> Homo Sapien

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<210> 8  
 <211> 52  
 <212> PRT  
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 Glu Glu Glu Pro Glu Thr Asp Leu Ser Pro Gly Leu Pro Ala Ala His  
 35 40 45  
 Leu Ile Gly Ala  
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<210> 9  
 <211> 17  
 <212> DNA  
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<400> 9  
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<210> 10  
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<220>

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<211> 25

<212> PRT

<213> Homo Sapien

<400> 15

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B129SEQLIST.TXT

<212> PRT  
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<220>  
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<212> PRT  
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20 25 30  
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35 40 45  
Cys Leu Leu His Phe Gly Val Ile Gly Pro Gln Arg Glu Glu Phe Pro  
50 55 60  
Arg Asp Leu Ser Leu Ile Ser Pro Leu Ala Gln Ala Val Arg Ser Ser  
65 70 75 80  
Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val Val Ala Asn Pro  
85 90 95  
Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg Ala Asn Ala Leu  
100 105 110  
Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu Val Val Pro Ser  
115 120 125  
Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe Lys Gly Gln Gly  
130 135 140  
Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile Ser Arg Ile Ala  
145 150 155 160  
Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala Ile Lys Ser Pro  
165 170 175

B129SEQLIST.TXT

Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys Pro Trp Tyr Glu  
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 Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe Ala Glu Ser Gly  
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 Arg Leu Asp Lys Val Glu Glu Glu Val Asn Leu His Glu Asp Phe Val  
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 Asp Ile Thr Leu Asn Lys Glu Glu Lys Lys Glu Asn Ser Phe Glu Met  
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 Thr Val Lys Arg Glu Gly Leu Tyr Tyr Val Tyr Thr Gln Val Thr Phe  
 165 170 175  
 Cys Ser Asn Arg Glu Pro Ser Ser Gln Arg Pro Phe Ile Val Gly Leu  
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 Trp Leu Lys Pro Ser Ile Gly Ser Glu Arg Ile Leu Leu Lys Ala Ala  
 195 200 205  
 Asn Thr His Ser Ser Ser Gln Leu Cys Glu Gln Gln Ser Val His Leu  
 210 215 220  
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 Page 7

B129SEQLIST.TXT

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 85 90 95
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100 105 110
Thr Gln Phe Ser Asp Ala Glu Gly Leu Ala Leu Pro Gln Asp Gly Leu
115 120 125
Tyr Tyr Leu Tyr Cys Leu Val Gly Tyr Arg Gly Arg Ala Pro Pro Gly
130 135 140
Gly Gly Asp Pro Gln Gly Arg Ser Val Thr Leu Arg Ser Ser Leu Tyr
145 150 155 160
Arg Ala Gly Gly Ala Tyr Gly Pro Gly Thr Pro Glu Leu Leu Leu Glu
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180 185 190
Tyr Gly Pro Leu Trp Tyr Thr Ser Val Gly Phe Gly Gly Leu Val Gln
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35 40 45
Arg Gln His Pro Lys Met His Leu Ala His Ser Thr Leu Lys Pro Ala
50 55 60
Ala His Leu Ile Gly Asp Pro Ser Lys Gln Asn Ser Leu Leu Trp Arg
65 70 75 80
Ala Asn Thr Asp Arg Ala Phe Leu Gln Asp Gly Phe Ser Leu Ser Asn
85 90 95
Asn Ser Leu Leu Val Pro Thr Ser Gly Ile Tyr Phe Val Tyr Ser Gln
100 105 110
Val Val Phe Ser Gly Lys Ala Tyr Ser Pro Lys Ala Thr Ser Ser Pro
115 120 125
Leu Tyr Leu Ala His Glu Val Gln Leu Phe Ser Ser Gln Tyr Pro Phe
130 135 140
His Val Pro Leu Leu Ser Gln Lys Met Val Tyr Pro Gly Leu Gln
145 150 155 160
Glu Pro Trp Leu His Ser Met Tyr His Gly Ala Ala Phe Gln Leu Thr
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Gln Gly Asp Gln Leu Ser Thr His Thr Asp Gly Ile Pro His Leu Val
180 185 190
Leu Ser Pro Ser Thr Val Phe Phe Gly Ala Phe Ala Leu
195 200 205

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